READ AND SAVE THESE INSTRUCTIONS ***File with your important papers***

The Nuvent exhaust fans listed in these instructions are designed for use in the bathroom. Approved for installation above a tub or shower enclosure when connected to a UL Listed GFCI protected branch circuit.

MS SERIES EXHAUST FANS

SAFETY INSTRUCTIONS

WARNING: TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS, OBSERVE THE FOLLOWING:

1. Use this unit only in the manner intended by the manufacturer. If you have questions, contact the manufacturer.
2. Before servicing or cleaning unit, switch power off at service panel and lock the service disconnecting means to prevent power from being switched on accidentally. When the service disconnecting means cannot be locked, securely fasten a prominent warning device, such as a tag, to the service panel.
3. Installation work and electrical wiring must be performed by qualified person(s) in accordance with all applicable codes and standards, including fire-rated construction.
4. Sufficient air is needed for proper combustion and exhausting of gases through the flue (chimney) of fuel burning equipment to prevent back drafting. Follow the heating equipment manufacturer's guideline and safety standards such as those published by the National Fire Protection Association (NFPA) and the American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE) or local code authorities.
5. When cutting or drilling into wall or ceiling, do not damage electrical wiring and other hidden utilities.
6. Ducted fans must always be vented to the outdoors.
7. If this unit is to be installed over a tub or shower, it must be marked as appropriate for the application and be connected to a GFCI (Ground Fault Circuit Interrupter) protected branch circuit.
8. NEVER place a switch where it can be reached from a tub or shower.
9. NOT FOR USE in kitchen.
10. DO NOT USE this fan with any Solid-State speed control device.
11. Fan MUST be installed with lowest moving parts a minimum of 7ft (8.2 ft for cUL) above the floor.

CAUTION: FOR GENERAL VENTILATING USE ONLY!

Do Not Use to Exhaust Hazardous or Explosive Materials or Vapors.

TOOLS FOR INSTALLATION:

- Screwdriver
- Hammer
- Electric drill
- Keyhole saw or jig saw
- Wire cutters
- Wire stripper
- Wire nuts
- Safety glasses
- Ruller or straight edge

PLANNING

NEW CONSTRUCTION: When installing this product before the drywall is completed, cover the contents of the housing to ensure foreign debris (ie: texture, paint, dust) do not enter the housing. Foreign debris can lead to low performance and product failure.

EXISTING CONSTRUCTION: Intallation for existing construction requires access above or behind planned installation location.

WIRING: This product requires 120V AC 60Hz standard house wiring (with ground) from the power source through a standard wall swtich to the unit's housing.

DUCTING: For best performance use the following guidelines when planning for the installation of duct work for this unit:

1. Minimum duct size and type: 4 inch flexible duct
2. Ducting should be run from the fan to the outside of the home or building. The duct run should be as short and as straight as possible.
3. Identify the ducting requirement per local/municipal code.
4. When using flexible duct, avoid kinks and always expand the ducting as fully as possible.

INSTALLATION

INSTALLATION IN NEW CONSTRUCTION

1. Insert the suspension brackets into the guides on either side of the housing. Each suspension bracket should face in opposite directions. (Fig 1) Note: When installing between joists that are over 16 inches on center, you will need to attach the provided extension brackets to each suspension bracket.

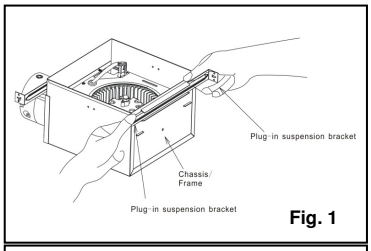


Fig. 1

2. Attach the suspension brackets to the joists using four (4) screws (M4x30) (Fig 2) The housing should not extend past the finished ceiling. The outer edge of the housing should be recessed 1/8" to 1/4" from the finished ceiling.

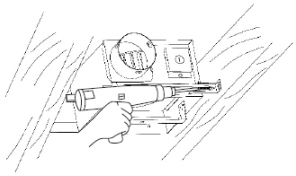
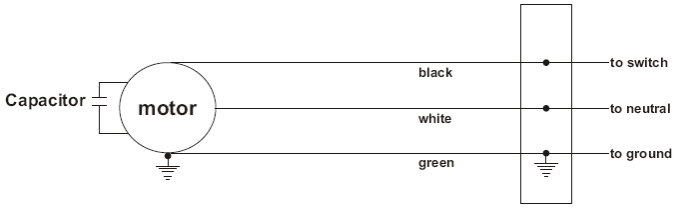


Fig. 2

WIRING

Turn off electrical power at service panel.

3. Remove screw that holds electrical box cover.
4. Run 120V AC wiring with ground from the wall switch to the fan electrical box.
5. Remove the electrical knockout from the cover and pull supply wiring through the cover.
6. Connect the supply wiring to the fan wiring using approved wire nuts: black to black, white to white and green to ground.
7. Replace electrical box cover with screw.



DUCT ATTACHMENT

8. Secure 4" diameter round duct to the fan's duct collar. Ducting should terminate per local/municipal building code.

FINISHING

9. To install the grille, insert the grille springs into the slots on the housing and firmly push grille into place.

CARE AND MAINTENANCE

CAUTION: ALWAYS disconnect the power supply before servicing and NEVER use benzene, thinner or any other chemical to clean the fan.

1. Periodically clean the grille with mild soap and water.
2. Use vacuum to clean motor and housing.

Fill in information below for your records:

Date of Installation **Model # and Product Description**

For warranty service or information, please visit the Ventamatic web site at www.bvc.com or call 1-800-433-1626.

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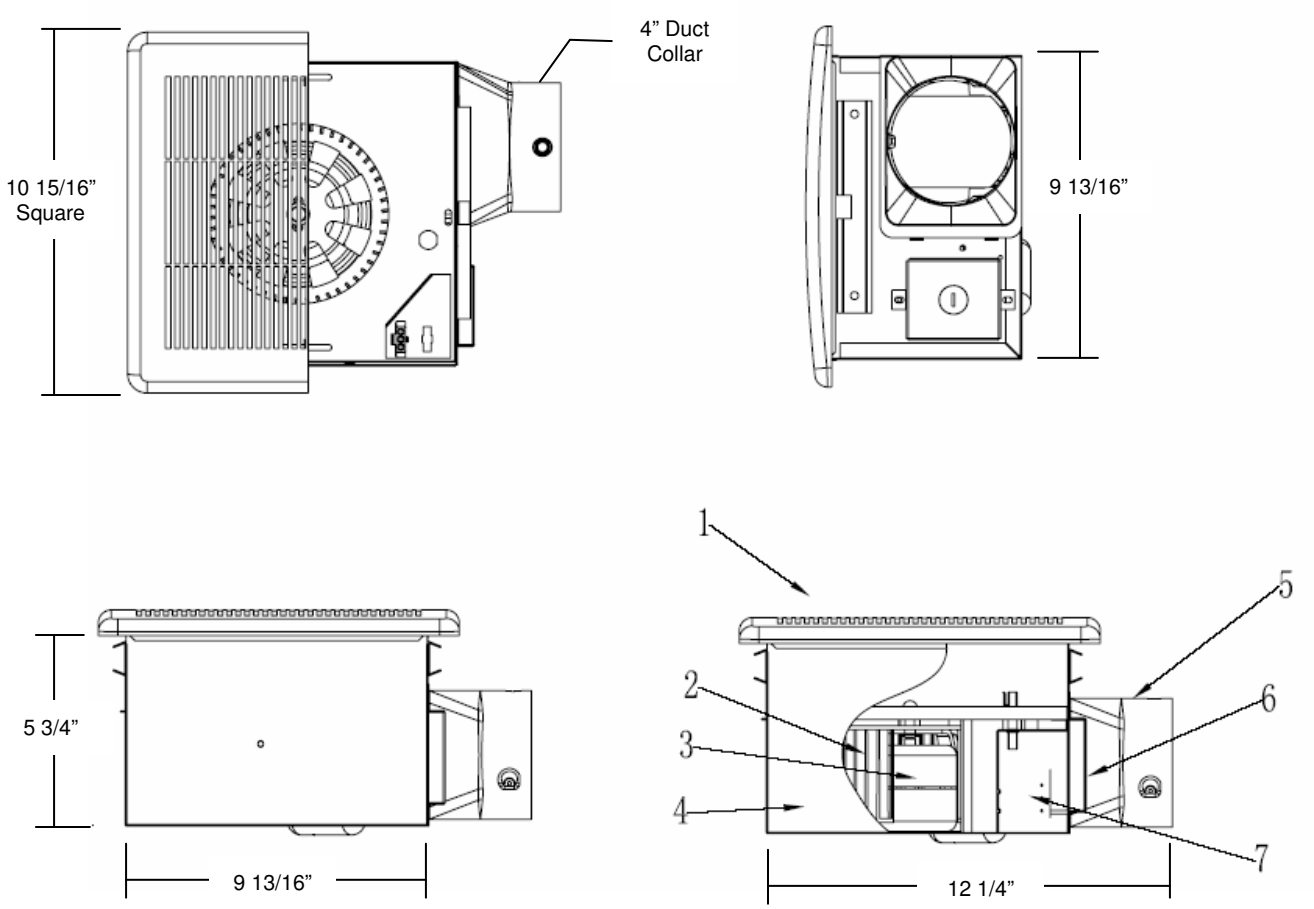
DIMENSIONS AND SPECIFICATIONS



No.	Part Name	No.	Part Name
1	Grille	5	Outlet
2	Blower Wheel	6	Junction Box
3	Motor	7	Wiring Board
4	Housing		

Model No.	CFM @ 0.1" SP	V	Hz	Duct Diameter (inches)	Noise (Sone)	Power Consumption (w)
NXMS50ES	50	120	60	4	1.2	21

NuVent
One Year Limited Warranty

Ventamatic, Ltd. warrants this product to be free from defects in materials and workmanship for a period of one (1) year from the date of purchase. Warranty does not apply to the product which fails due to abuse, misuse, incorrect installation or improper maintenance.

During the one-year warranty period, Ventamatic will replace any product or part which has a factory defect in workmanship or materials.

The foregoing shall constitute our sole and exclusive warranty and our sole and exclusive liability, and is in lieu of any other warranties, whether written, oral, implied or statutory. Under no circumstances will Ventamatic be liable for special or consequential damages occurring in connection with the use or performance of the product or other indirect damages with respect to loss of profits, revenue or property, or cost of removal, installation or reinstallation.

Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages and some states do not allow limitations on how long an implied warranty lasts, so the above exclusions may not apply to you.

This warranty gives you specific legal rights and you may have other rights which vary from state to state and province to province.